

GUTMANN, E.; JAKOUBEK, B.; HAJEK, I.; ROHLICEK, V.; SKALOUD, J.

Effect of age on proteosynthesis in spinal motoneurons following nerve interruption as shown by histoautoradiography of S³⁵ labelled methionine. Physiol. Bohemoslov. 11 no.5:437-442 '62.

1. Institute of Physiology, Czechoslovak Academy of Science, Prague.
(NEURONS) (SPINAL CORD) (METHIONINE)
(PROTEIN METABOLISM) (AGING)

HAEK, Bohumil, profesor ekonom., VYROBEN, Josef

Use of the machine operational time in the distribution of total shop costs. Podl. org 18 no. 19:447-450 (1962).

1. Masovské závody, Olomouc.

HAJKO, GUSTAV.

Vodni motory; vodni energie a její využití. Vodní díla, vodní kola a turbíny...
[Vyd. 2., v Praci 1] Praha, Prace; vydavatelství ROH, 1951. 150 p. (Technické
průrůky Prace, av. 50) [Hydraulic motors; water power and its exploitation,
water works, water wheels and turbines, installation and operation of turbines,
hydroelectric plants. illus., bibl., index]

SO: Monthly List of East European Accessions, Vol.3, No.3, Library of Congress, March 1954
Uncl.

CZECHOSLOVAKIA

ENGELSMANN, F.; HAJEK, F.; HLADUNOVA, B.; MUDROCKA, H.; Psychiatric Research Institute (Vyzkumny Ustav Psychiatricky), Prague.

"Time Samples of a Day of Psychiatric Patients."

Prague, Ceskoslovenska Psychiatrie, Vol 62, No 3, Jun 66, pp
168 - 175

Abstract /Authors' English summary modified/7: In the period 1962 to 1964 the authors investigated the activities of hospitalised patients between 6 a.m. and 10 p.m. The patients spend most of their time in complete inactivity; the rehabilitation treatment occupies only a very small part of the day. On the basis of the study the authors were able to prepare a better program for the daily routine treatment of the patients. 3 tables, 9 Czech references. (Manuscript received 2 Apr 65).

1/1

#1

HAJEK, Frantisek

Psychotic disorders after injuries of the central nervous system.
Cesk.psychiat.56 no.5:314-317 0'60.

1. Psychiatricka lecebna v Opave.
(CENTRAL NERVOUS SYSTEM wds & inj)
(PSYCHOSES etiol)

HAJEK, Frantisek

Sub-professional medical worker in psychiatry. Cesk. Psychiat., 55
no. 4:217-224 June 59.

1. Psychiatricka lecебna v Opave.
(PSYCHIATRY)

MEDKOVA, L.; BERSKY, K.; BUBLIKOVA, D.; HAJEK, Fr.

Appearance of strabismus in children of mother with late pregnancy toxemias. Cesk. ofth. 15 no. 4:254-257 Aug 59.

1. Ocní oddelení OUNZ v Opave, prednosta prim. dr. J. Stefek
Porodnicko-gynekologicke oddelení OUNZ v Opave, prednosta prim. dr.
O. Sipek Detske oddelení OUNZ v Opave, prednosta prim. dr. M. Zak
Psychiatricka lecebna v Opave, reditel dr. Fr. Hajek.
(STRABISMUS, etiol. & pathogen) (PREGNANCY TOXEMIAS, compl.)

BLEHOVA, J.; DANESOVA, J.; GREC, L.; HAJEK, F.; MATOUSEK, M.; VOJTIK, V.

Occurrence of phenylketonuria in Bohemia & Moravia. Cesk. pediat.
14 no.6:499-502 5 June 59.

1. Detska klinika hygienicke fakulty v Praze, prednosta prof. J.
Pisarovicova-Cizkova Charita Praha, Stat. psych. lecebna Opava, Stat.
psych. lecebna Dobrany, Stat. psych. lecebna Oparany. J.B., Praha 12,
Srobarova 50.

(PHENYLPYRUVIC OLIGOPHRENIA, epidemiol.
in Czech. (Cz))

EXCERPTA MEDICA Sec 8 Vol 9/9 Neurology Sept '56

3760. HÁJEK F. and ROTH B. *Neurol. Klin. KU, Praha, *Esenciální hereditární tremor. Minorova nemoc. Hereditary essential tremor. Minor's disease* ČSL. NEUROL. 1956, 19/1 (59-63)

Three cases are presented. In all cases there was a proved family occurrence (in one case the patient's grandfather, in one the patient's father and his 5 brothers and sisters, in the last one the patient's father and niece), early appearance (before 20 yr. of age), a stationary course and lack of other signs. In one case there was found hydrocephalus of the 1st-IIIrd ventricle. From authors' summary

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800031-6

HAJEK, F.

Certain problems of psychiatric hospitals. Neur. & Psychiat. cesk.
(CIML 25:5)
16 no. 6:351-360 Nov 1953.

HAJEK, Frantisek

Hajek, Frantisek. "Nova zakonita ustavoveni v sou s nimi telosvedci." (Vv. J.) Praha,
Statni pedagog. Akademie vyd., 1952. p. 56 (Ucetni tazor vyklicnych skol) (New legal pro-
visions in regard to jurisdiction).

60: Monthly List of East European Acquisitions, I. S. and I. M. I. Inst. CIA Uncl.

HAJEK, Frantisek, inz.

Carbon monoxide and gasoline motors. Siln deprava 12 no.12:2-5
D '64.

1. Research Institute of Transportation, Prague.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800031-6

HAJEK, F., okluzne leze vyzkumy vodovodnych turbinali s kremne
Effect of the adjustment of the auto engines on the carbon monoxide
content of exhaust gases. Rozl. z 15. nov. 1923-28 do 40%.

HAJEK, Frantisek, Inz.

Pollution of city air by motors. Sjin doprava 12 nov 434-7
Ap '64.

I. Research Institute of Transportation.

HAJEK, F.
STRAKOS, O.

Stepping up time standards on the basis of sector output standards of the
Ministry of Heavy Machine Manufacture and Technical Management Research
Institute of the Machinery Industry. p. 101.

STROJIRENSKA VYROBA, Praha, Czechoslovakia, Vol. 7, no. 3, 1959

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July 1959
uncl.a.

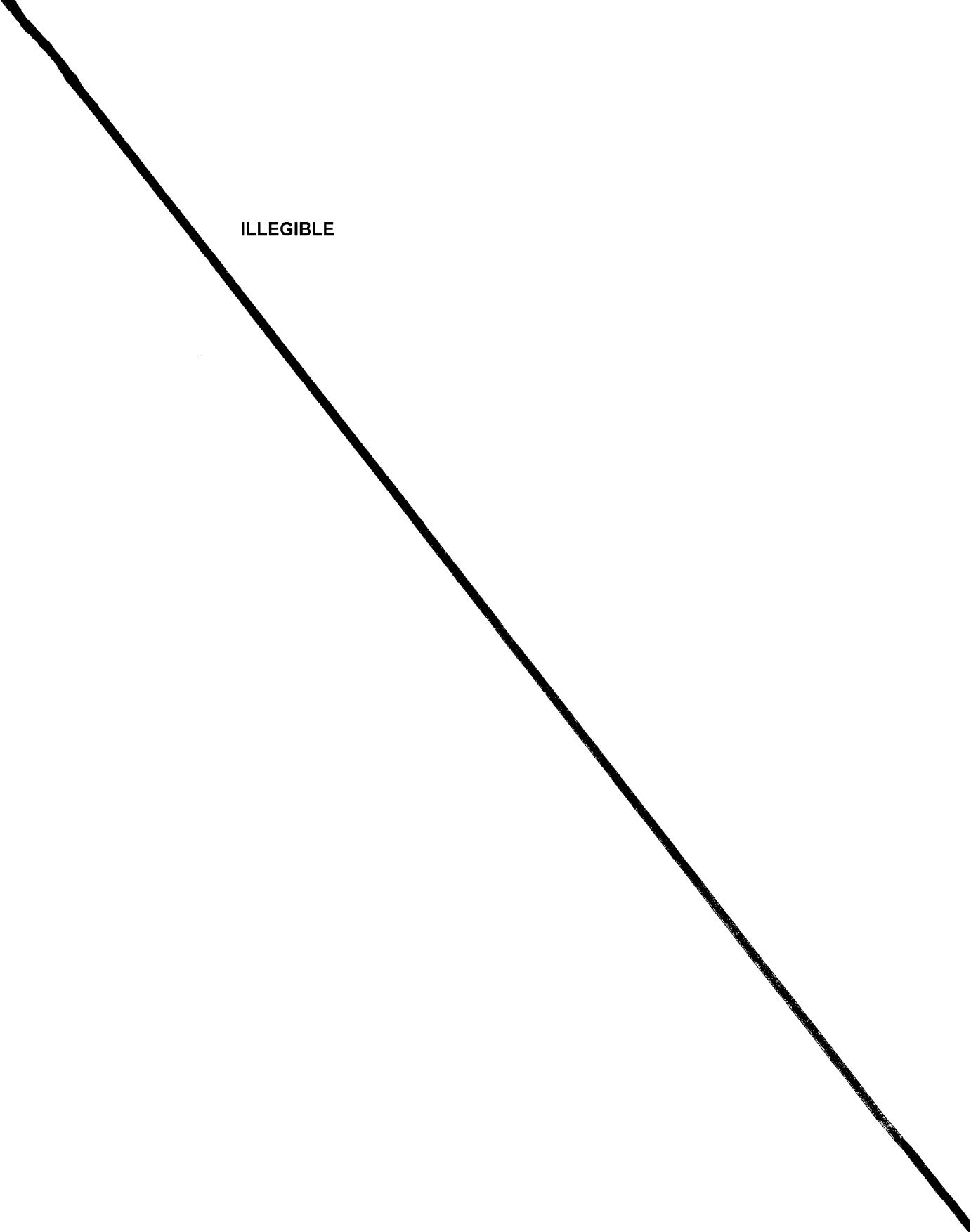
KLABOCH, L., inz.; DUFEK, Jaroslav, inz.; HAJEK, E., doc., inz.; REZNICEK,
I., inz.; ROD, F., inz.; DRDA, J., inz.; MATOUSEK, B., inz.;
KOUSAL, P., inz.; MANDA, V.; CAIS, O., inz.; NOVAK, S.; URBAN, S.;
HANKE, M., inz.; VOKURKA, V., inz.; FOGL, J., inz.; HROMIR, M.,
inz.; SOLIN, J., prof., inz.; SLEZAK, A., inz.; TITLBACH, Z., inz.;
DREXLER, J., inz.; HORNA, O., inz.; KUPEC, J., inz.

Discussion on tensionetry. Zpravodaj VZLU no.2:37-46, 69-80
'62.

1. Vyzkumny a zkusebni letecky ustav (for Dufek, Reznicek,
Manda, Cais, Drexler and Kupec) 2. Statni vyzkumny ustav tepelne
techniky (for Klaboch, Rod, Drda, Matousek, Titlbach). 3. Ceske
vysoka ucenici technicke (for Hajek, Solin). 4. Ustav pro vyzkum
motorovych vozidel (for Hanke, Vokurka, Fogl, Hromir). 5. Vyzkumny
ustav matematickych stroju (for Horna). 6. Moravan, n.p.,
Otrokovice (for Kousal). 7. Mikrotechna, Holesovice (for Novak),
8. Zavody V.I.Lenina (for Urban). 9. Svermovy zavody, Vyzkumny
ustav (for Slezak).

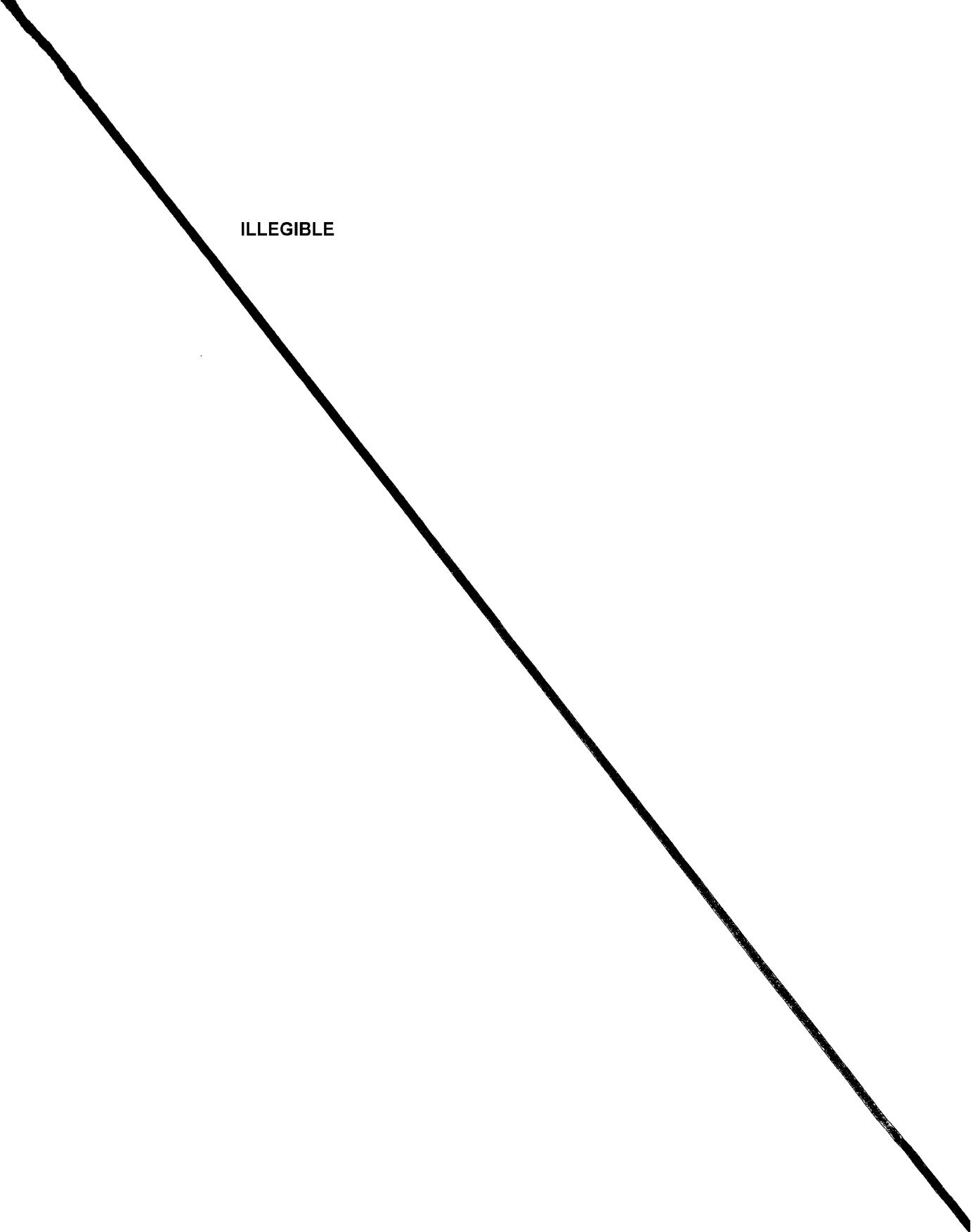
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HAJEK, F.; CERNY, J.

Czechoslovak "pencil-type" rectifiers. p. 91.
(Elektrotechnik, Vol. 12, no. 3, March 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6,
June 1957. Uncl.

HASEK, B.

CZECHOSLOVAKIA

REZNIK, P.; BROZIK, T.; HASEK, B.

Institute for Inorganic Chemistry, Higher Technical School for Chemistry
(Institut für anorganische Chemie, Technische Hochschule für Chemie)
Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 3, Feb
1966, pp 921-927

"new phase in the system magnesium-oxido."

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800031-6

Bald, Bohumil

Suspicion of the structure and organization of the Czechoslovak
communist party. Other groups of communists in
various countries. Other groups of communists in

A. Higher School of Political Science, Prague, 1950.

GAYYEK, B.
GAYYEK, B. [Gajek, B.]; PROSHEK, Fr. [Prosek, F.]

Formation of zinc (I) chloride in the course of chemical transport
reaction in the system Zn - ZnCl₂. Zhur. neorg. khim. 9 no.2:
469-470 F'64. (MIRA 17:2)

1. Kafedra neorganicheskoy khimii, Khimiko-tehnologicheskiy
institut v Prague.

HAJEK, B.

"Synthetic inorganic chemistry" by William L. Jolly. Reviewed
by B. Hajek. Chem prum 13 no.5:264 My '63.

1. Vysoka skola chemicko-tehnologicka, Praha.

HAJEK, Bohumil

"General chemistry and outline for inorganic chemistry"
by P. Colmant. Reviewed by Bohumil Hajek. Chem prum
13 no.2:96 F '63.

1. Vysoka skola chemicko-technologicka, Praha.

HAJEK, B.

"A short history of chemistry" by J. R. Partington. Reviewed by E.
Hajek. Chem prum 12:679-680 D '62.

1. Vysoka skola chemicko-technologicka, Praha.

HAJEK, Bohumil

Seminar on the development of inorganic chemistry. Chem
prum 12 no.7:366 Jl '62.

1. Vysoka skola chemicko-technologicka, Praha.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800031-6

HAJEK, B.

National seminar on inorganic chemistry in Pardubice. Chem
prum 12 no.3:144 Mr '62.

1. Katedra anorganické chemie, Vysoká škola chemicko-technologická,
Praha.

Z/508/60/000/000/003/018
E073/E335

Synthesis of

ASSOCIATIONS: Výzkumný ústav pro minerály v Turnově
(Minerals Research Institute, Turnov)
Katedra anorganické chemie na Vysoké škole
chemicko-technologické, Praha
(Chair of Inorganic Chemistry of the University
for Chemical Technology, Prague)

Card 2/2

(D)
Z/508/60/000/000/003/018
E073/E335

AUTHORS: Bárta, Čestmir, Petrú, František and Hájek, Bohumil.

TITLE: Synthesis of scandium-oxide single crystals

SOURCE: III. Konference o monokrystalech. Prague, Výzkumný ústav pro minerály, 1960. 17 - 19

TEXT: The authors succeeded in synthesizing scandium oxide by a hitherto unpublished method from spectroscopically pure Sc_2O_3 of an open structure. The synthesis was carried out on the Verneuil principle of crystallizing from the melt with equipment used for the commercial manufacture of corundum single crystals. To produce single crystals a reducing (hydrogen) atmosphere was needed. The linear rate of growth is of the order of 8 mm/h. The melting point is estimated at 2300°C. The largest single crystal produced so far is 45 mm long and 4 mm wide. The product obtained was clear and dense, of 3.91 g/cm³ density and with a hardness of 6.5 according to Moh's scale, refractive index 1.91. X-ray and γ-ray radiation produce a sufficiently strong luminescence which still persists at a temperature of about 100°C; the emitted light is white with a pinkish hue. Further work is being continued.

Card 1/2

11/11/61, P.

CZECHOSLOVAKIA / Inorganic Chemistry. Complex
Compounds.

C

Abs Jour: Ref Zhur-Khimia, No 19, 1958, 63979

Author : Petru F, Prochazka V, Hajek B
Inst : Not given

Title : On the Chemistry of the Rarer Elements. III.
The Extraction of Scandium in a Compact State.

Orig Pub: Collect. Czechosl. chem. communs, 1958, 23,
No 3, 367-371

Abstract: See RZhKhim, 1958, 28159.

Card 1/1

HAJEK, B.

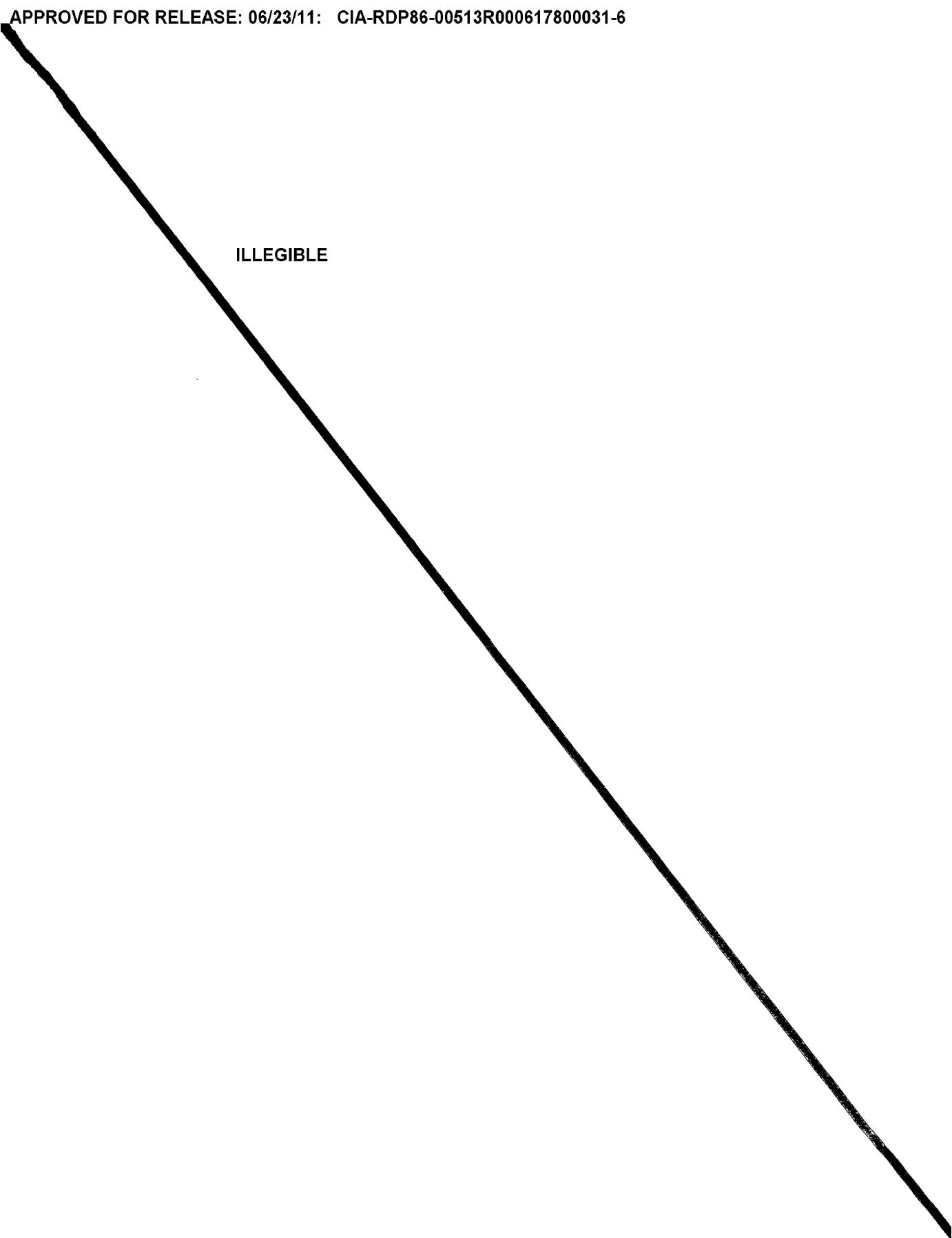
Contributions to the chemistry of the rare elements. II.. Preparation of
metallic scandium in a compact state.

p. 672 (CHEMICKE LISTY) Vol. 51, no. 4, Apr. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) LC, Vol. 7, No. 3,
March 1958

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HAJEK B.

1
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Mistr: 4E2c(j)/4E3d

Preparation of addition compounds of anhydrous scandium chloride and scandium bromide with alcohols / F. Petru, B. Hajeck, and V. Tobi (Chem. Technol. Hochschule Prague). Czech. Chem. Acta 29, 487-80 (1967) (in German). A no. of solid, well defined, addn. compds. of different additivity degrees was prep'd. by treating anhyd. ScCl₃ and ScBr₃ with MeOH, EtOH, PrOH, BuOH, pentanol, hexanol, benzyl alc., allyl alc., iso-PrOH, and cyclohexanol vapors under varying pressure. The compn. of the compds. is given by the general formula ScX_{3-n}ROH, with n being (to one exception) always integral. N. Pavlik

B Jaf

HAJEK, B.

A conference on inorganic chemistry in Libice.

P. 493 (Chemicky Prumysl. Vol. 7, no. 9, Sept. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accesions (EEAI) LC. Vol. 7, no. 2,
February 1958

CZECHOSLOVAKL./Chemical Technology. Chemical Products and Their
Application. Elements. Oxides. Mineral Acids. Bases.
Salts.

Abstr Jour: Ref Zbirn-Khim., No 3, 1959, 28042.

Author : Petru, F., Hajek, B., and Prochazka, V.

Inst :
Title : Industrial Scale Production of Scandium and Scandium
Compounds.

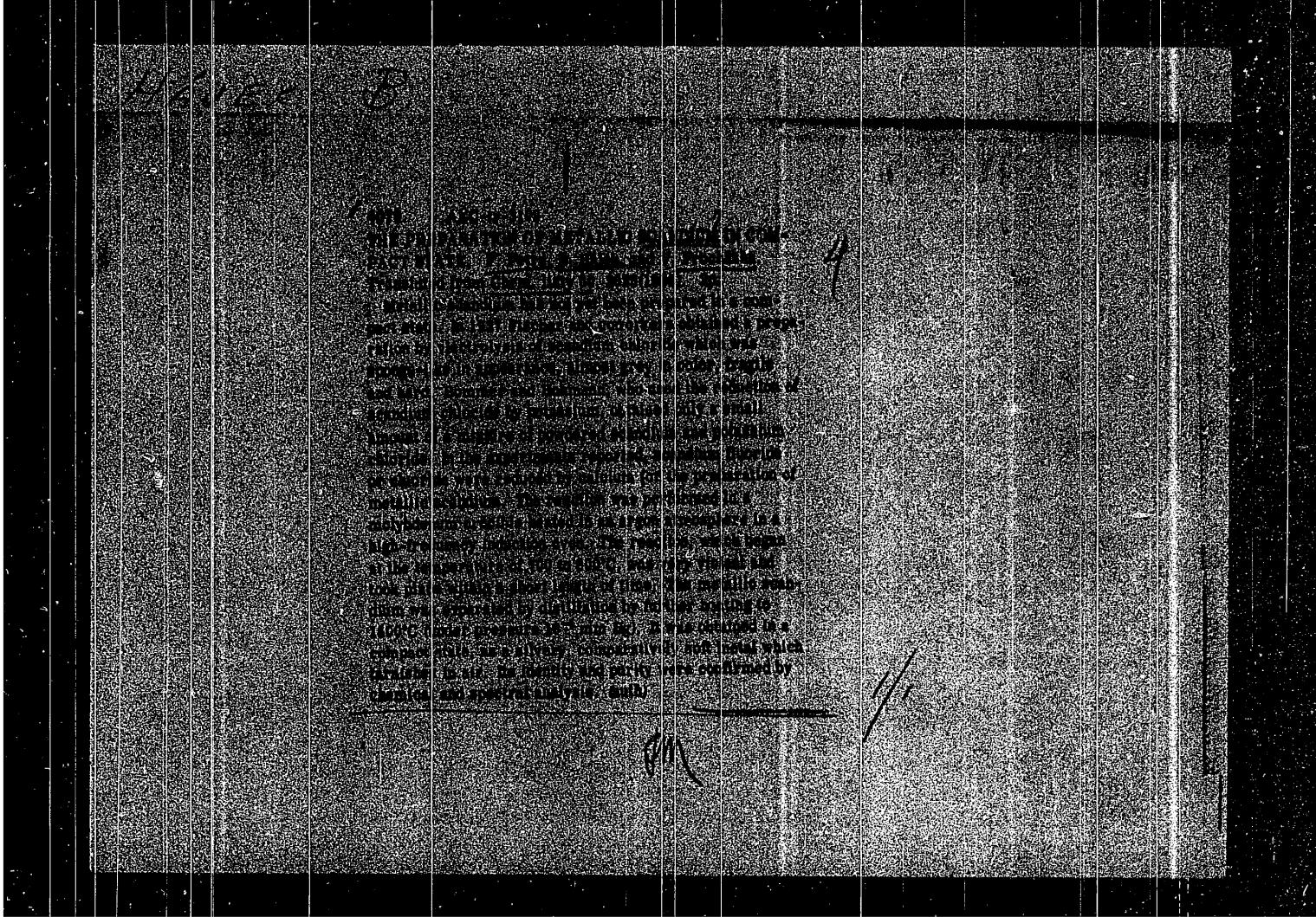
Orig Pub: Chem Prumysl, 7, No 5, 230-232 (1957) (in Czech with
English and Russian summaries)

Abstract: Live steam is passed into a mixture of 850 kg of
the residue remaining after the processing of Zin-
wald tungstenate and 1700 liters conc HCl until the
volume of the mixture reaches 2500 liters. To each
1000 liters of the solution thus obtained 120 liters

Card : 1/2

159

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HAJEK, B.

D.I. Mendelov and R. Preuner, p. 139
(STORNIK PRO BEIJING VERTON CH VODA TICHOVSKY, vol. 1954, subj.)

SO: Monthly List of East European Accusation, (SAL), No. Vol. 1, No. 11,
Nov. 1955, Unc.

SNAJD, V., prof.; ANTOS, J.; LUKAS, V.; BOUDA, J.; BARDOS, A.; MANKA, J.;
HAJEK, A.; PACIN, Z.; SKACEL, K.; STIKSA, E.; SIKL, O.; SKODA, V.

Clinical aspects of carcinoma of the endometrium. Cesk. gynek. 27
no.3:173-177 Ap '62.

1. I gyn. klin. fak. vseob. lek. KU v Praze, prednosta prof. MUDr.
K. Klaus.

(UTERUS NEOPLASMS)

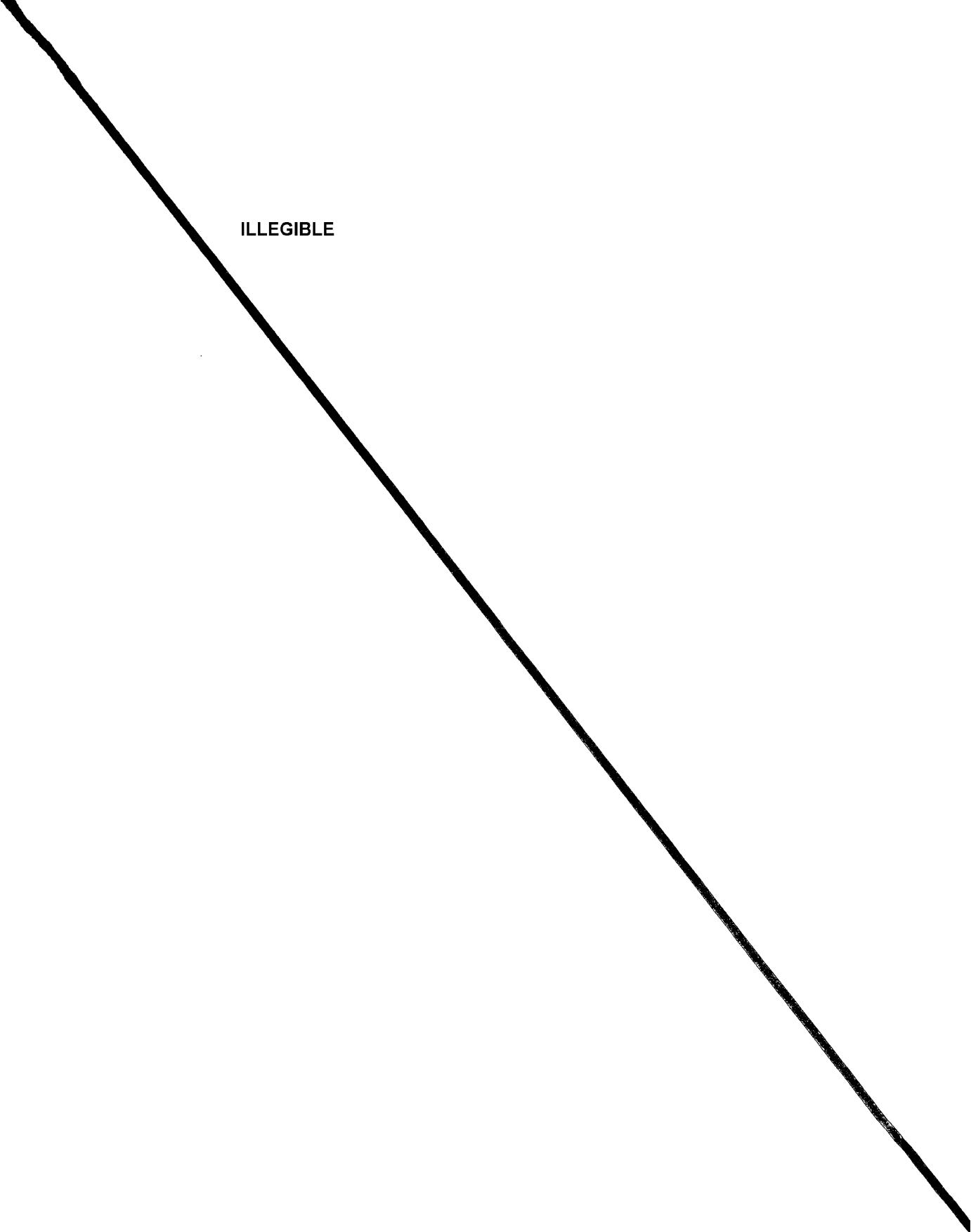
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RAJFX, A.

How to accelerate the application of automation in the
water resources management. Vodni hosp 14 no. 5(200) '64.

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KRAKORA, B.; HAJEK, A.

Preliminary considerations on psycho-prophylactic preparations in obstetrics according to Platonov and Velovsky. Prakt. lek., Praha, 32 no. 24:554-556 20 Dec 1952. (CIML 23:5)

HASEK, Alois

Use of the linear programming method. Prum petravin 15 no. 7:
321-325 Jl '64.

1. Research Institute of React. brno.

HAJEK, Alois

Pay more attention to the collection and processing of bones. From
potravin 15 no. 3:121-123 Mr '64.

1. Research Institute of Meat, Brno.

MUSIL, Y. [Musil, J.]; KAFKA, V.; GAYEK, A. [Hajek, A.]; NOVOTNY, A.;
PAODOVETS, Y. [Padovec, J.]; PAVLOVSKA, Y. [Pavlovska, J.]

Study of the effectiveness of various doses of 6-azauridine
in malignant tumors of female genitalia. Vop. onk. 10 no. 3:62-66
'64. (MIRA 17:8)

l. Biokhimicheskoye otdeleniye fakul'tetskoy bol'nitsy, Praga,
10 (zav. - Y. Oppit [J. Opit]) i akushersko-ginekologicheskoy
kliniki gigiyenicheskogo meditsinskogo fakul'teta Karlova
universiteta, Praga, 10 (zav. - dotsent I. Padovets [Padovec]).

HAJECK, M.

Meeting of the Technical Council of Nonferrous Metal Foundries in Czech
Motorcycle Works in Strakonice. p. 109.

SLEVARENSTVI. (Ministersivo tezkeho strojirenstvi a Cheskoslovenska vedecka
technicka spolecnost pro hutnictvi a slevarensivi). Praha, Czechoslovakia,
Vol. 7, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959
unclu.

HAJDUSKA, Kurt

Concentration of operations in manufacturing component parts.
Meres automat 9 no.1:17-22 Ja '61.

1. Fomernok, Ganz Aranerogyar

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HAJDUSKA, Kurt, fomernok

Automation as reflected in this year's industrial fairs. Meres automat
9 no.11:348-349 '61.

1. Ganz Arammerogyar.

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BATTALION

Automation of pressurized plastic film departmentalization
340-321 D 161.

HAJ DUSKA, Kurt

Preparations by the Ganz Factory for Ammeters for improving its technologic organization and discipline as well as for passing over its relevant experiences to other plants. Gepgyartastehn 1 no.7: 261-262 O '61.

HAJDUSKA, Kurt

Automatic phosphatization. Gepgyartastechn 1 no.4:143-144 Jl '61.

1. Ganz Aranmerogyar.

HAJDUKOVIC, S.; NINKOV, V.; PETROVIC, N.; RASKOVIC, D.; PETROVIC, Lj.

The effect of post-irradiation bleeding on the hematological regeneration and survival of irradiated mice. Bul Inst Nucl 14 no. 4: 243-252 O '63.

1. Department of Radiobiology, Boris Kidric Institute of Nuclear Sciences, Beograd-Vinca.

STEPANOVIC, S.; VARAGIC, V.; HAJDUKOVIC, S.

The effect of cysteamine on the responses to biologically active substances of the isolated guinea-pig ileum taken from normal and gamma-irradiated animals. Bul Inst Nucl 14 no. 3: 163-174 Jl '63.

1. Department of Radiobiology, Boris Kidric Institute of Nuclear Sciences, Beograd-Vinca.



HAJDUKOVIC, S.; PETROVIC, N.; NINKOV, V.; RASPOVIC, D.;

Studies on the favorable effect of postrirradiation bleeding
on hematopoiesis and survival. Pt. 3. Bul Inst Nucl 14
no. 3: 155-161 Jl '63.

1. Department of Radiotherapy, Boris Kidric Institute of
Nuclear Sciences, Beograd-Vinca.

*

SAVKOVIC, M.; RADIVOJEVIC, D.; HAJDUKOVIC, S.; MALCIC, K.

Effect of local irradiation on the reproductive ability
of infant rats. Bul sc Youg 7 no.1/2:13 F-Ap '62.

1. Institut "B. Kidric," Vinca, Beograd.

*

HAJDUKOVIC, S.

Influence of the postirradiation anemia produced by bleeding
on the hematological regeneration and survival of irradiated
animals. Bul sc Youg 7 no.1/2:12 F-Ap '62.

1. Institut "B. Kidric," Vinca, Beograd.

*

SAVKOVIC, N.V.; RADIVOJEVIC, D.V.; HAJDUKOVIC, S.I.; RADOTIC, M.M.;
POPOVIC, S.H.; KARANOVIC, J.; Technical assistance MALCIC, K.;
BRADIC, M.

Histological analysis of testes in infant rats irradiated locally
or all over the body with X rays. Bul Inst Nucl 12:145-147 0 '61.

1. The Institute of Nuclear Sciences "Boris Kidrich," Department
of Radiobiology, Vinca.

STEPANOVIC, S.; VARAGIC, V.; HAJDUKOVIC, S.

Effect of some drugs and biologically active substances on the blood pressure of the rats irradiated with X rays. Bul Inst Nucl 12:137-144 O '61.

1. The Institute of Nuclear Sciences "Boris Kidrich," Department of Radiobiology, Vinca (for Stepanovic and Hajdukovic). 2. Member of the Department of Pharmacology of the Medical Faculty, Belgrade (for Varagic).

*
*

DRAGIC, Marko B.; ADAMOVIC, Mirjana G.; HAJDUKOVIC, Srdan I.; RADOTIC,
Milorad M.

Induction of hematopoietin in rabbits irradiated with sublethal, lethal,
and supralethal doses of X rays. Bul Inst Nucl 10:127-136 Mr '60.
(EEAI 10:5)

1. Institut za nuklearne nauke "Boris Kidric" Radiobioloski
laboratorij.
(X rays) (Intrinsic factor) (Radiobiology)

SAVKOVIC, Nada V.; RADIVOJEVIC, Dusanka V.; JOVANOVIC, Milan M.;
HAJDUKOVIC, Srdan I.

The protective effect of AET upon survival of young rats exposed to
sublethal and lethal doses of X-rays. Bul Inst Nucl 10:113-117 Mr '60.
(EEAI 10:5)

1. Institute of Nuclear Sciences "Boris Kidrich" Laboratory of
Radiobiology.
(Aminoethylthiopseudourea) (X rays) (Radiobiology)

SAVKOVIC, Nada V.; RADIVOJEVIC, Dusanka V.; HAJDUKOVIC, Srdan I.

The protective effect of cysteamin upon the postirradiation sterility of young rats exposed to sublethal doses of X-irradiation and somatic changes in the first generation. Bul Inst Nucl 10:107-111 Mr '60.
(EEAI 10:5)

HANJUKOVIC

PLACE IN BOOK EXPEDITION

TOS/539

Grobac, Ljubo, Ph.D.

Atomic Nuclear Reactor Construction Safety Standard (Atomic, Electrical, and Chemical Works and Protection Against Nuclear Radiation Collection of Articles) Zagreb, ERGIA, 1960, 428 p., no. of pages printed not given.

Author of articles: Pavle Savic, Academician, Mihajlo Ristic, Engineer, Mihajlo Knežević, Doctor, Krunal Radić, Engineer, Mihajlo Vuković, Engineer, Dragutin Milivojević, Doctor, Svetozar Peškovac, Doctor, Veljko Vučković, Doctor, Adam Matijević, Doctor, Željko Šekarić, Doctor, Mihajlo Perkić, Doctor, Boško Bajagić, Doctor, Boško Bajagić, Engineer, and Krunal Radić, Doctor.

PURPOSE: This collection of articles is intended for the general reader as well as for personnel in scientific research and similar organizations.

CONTENTS: The book contains 65 articles dealing with general problems of atomic, biological, and chemical warfare weapons and defense methods. The following topics are discussed: nuclear power, nuclear weapons, nuclear explosions [including their successful application], nuclear weapons, technological detection and destruction, some problems of the effects of nuclear radiation on the organism and of external contamination by radioactive isotopes, problems of atomic and chemical warfare and the use of combat poisons. The Foreword was written by Krunal Radić and the Preface follows most of the articles.

TABLE OF CONTENTS:

Foreword	5
Savic, Pavle, Academician. Structural Conditions Necessary to Utilize Nuclear Power	7
Ristic, Mihajlo, Engineer. Nuclear Reactors	23
Knežević, Mihajlo, Doctor. Controlable Thermonuclear Reaction	77
Radić, Krunal, Professor. Nuclear Explosives and Weapons	117
Vuković, Mihajlo, Engineer. Pathological Detonation	151
Matićević, Dragutin, Engineer. Pathological Detonation	191
Radić, Krunal, Doctor. Some Problems Concerning the Effects of Nuclear Radiation on the Organism	217
Vuković, Velimir, Doctor. Some Problems of Internal Contamination by Radioactive Isotopes	243
Pavlić, Renato, Engineer. Exploding Nuclear Explosions for Personnel Protection	275
Milivojević, Adam, Doctor. On Materialistic Approach	281
Šćepančić, Žarko, Doctor. Microorganisms and Their Products as Warfare Weapons	297
Šćepančić, Žarko, Doctor. Medical and Chemical Agents in Warfare Dissemination for War and Terrorism	325
Pavlić, Mihajlo, Doctor. Acute Contagious Diseases of Man, and Protection Against Them	335
Ristić, Svetozar, Professor. Modern Combat Poisons (Some Potions)	363
Djordjević, Mihajlo, Professor. Technical Aspects of Nuclear Artillery and Defense	389
Radić, Krunal, Doctor. Military Aspects of the Use of Nuclear Weapons	421

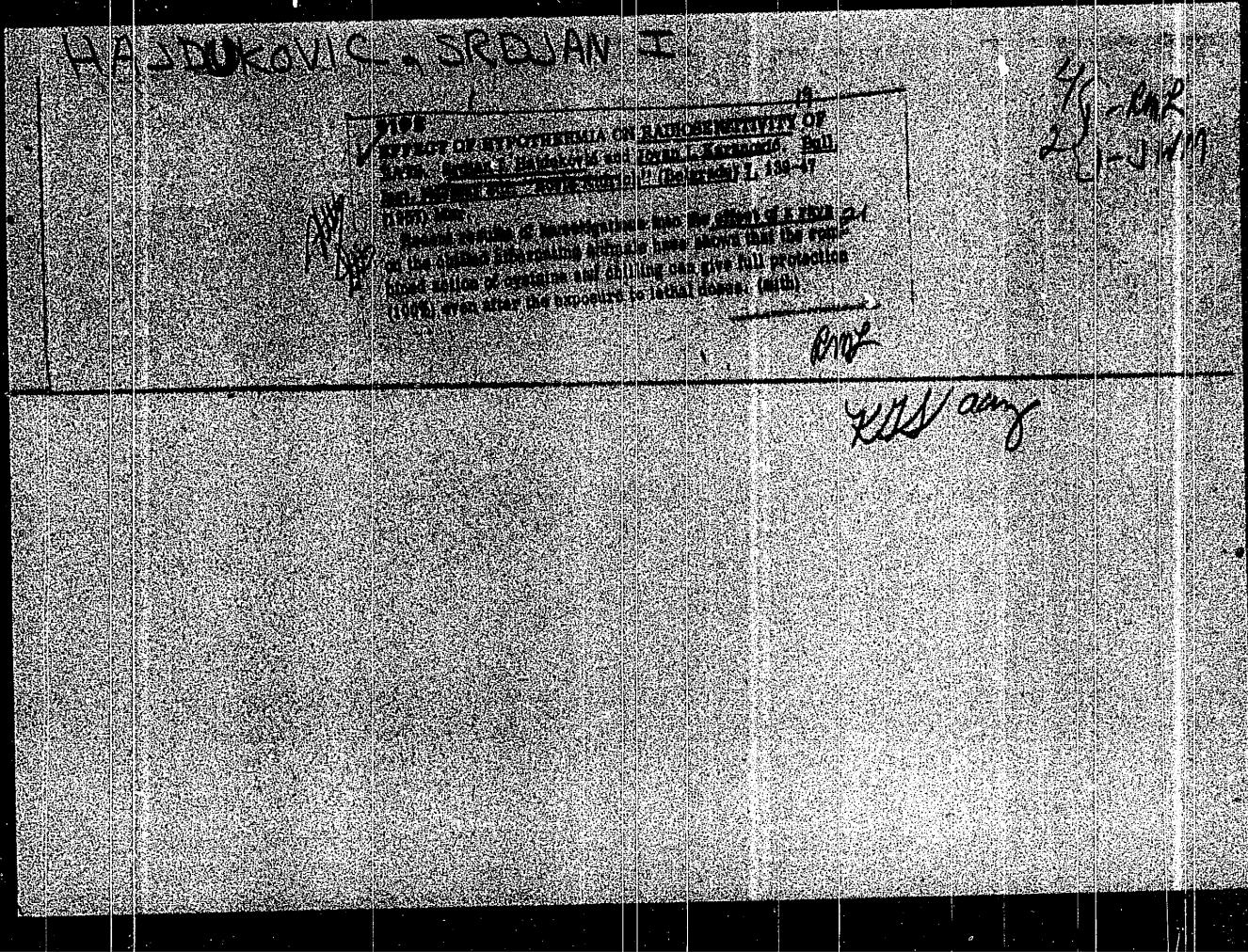
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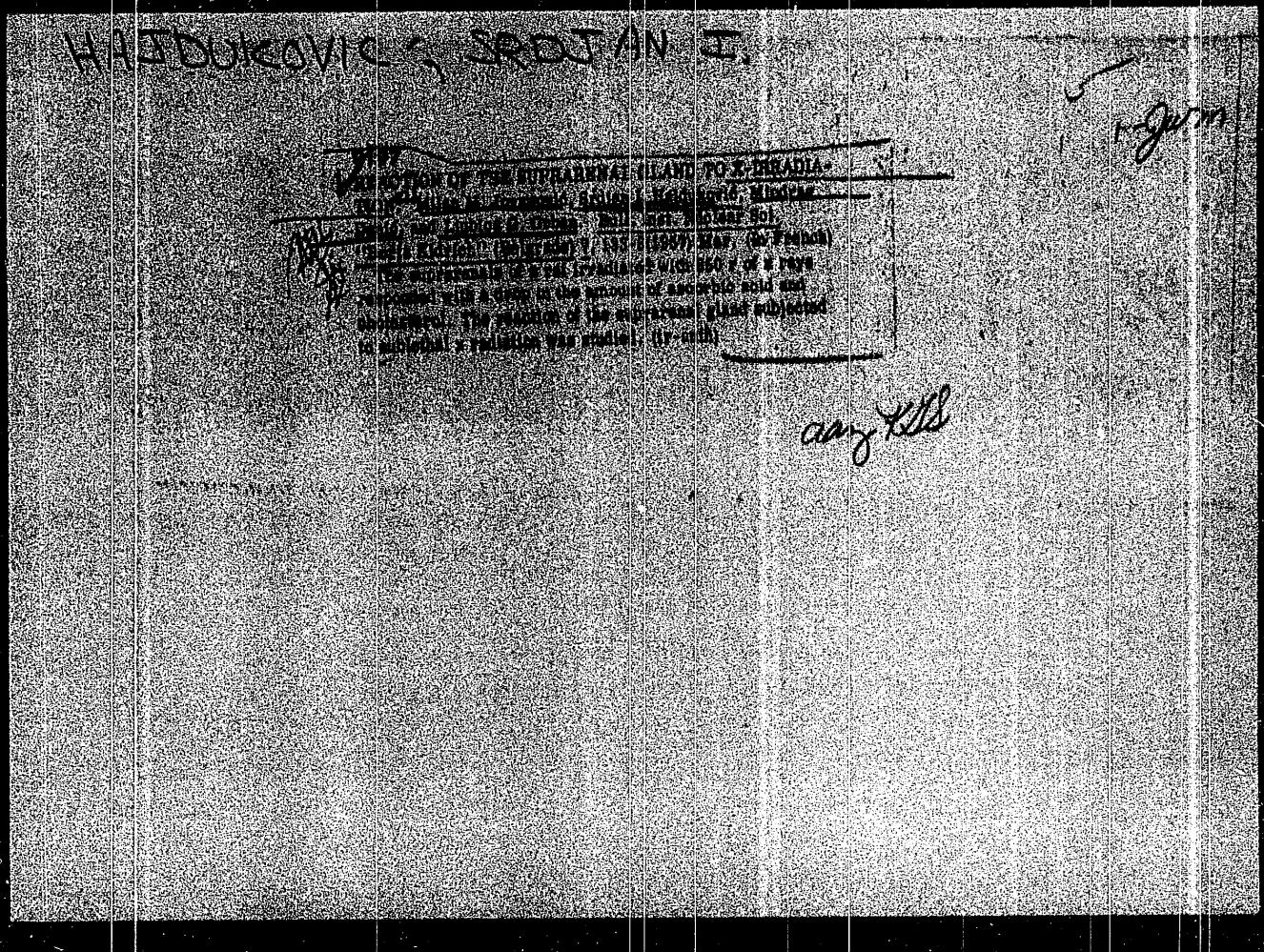
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T-JW/M

✓ THE INFLUENCE OF X-RAYS ON THE BLOOD CONSTITUENTS OF NEW-BORN BABIES. ARTHUR HALLIWELL. BILL
HOBSON. ROBERT KIRKONEN. THERESA L. YOUNG.
1937-1938. 4017800031

The amount of x-ray on blood constituents of new-born babies. The results of these tests were shown to make it possible to measure hematological reactions with and without all the normal reactions. The results favor a hypothesis of the origin of the red cell in the embryo.

2nd copy

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(RADIATIONS, effects, protection)

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dislocation density of the electron beam-irradiated polyethylene was measured by the electron microscopy method. The electron beam dose was 1000 rad. The electron microscope used was a JEM-100S. The electron beam energy was 100 kV. The electron beam current was 0.05 mA. The electron beam diameter was 0.5 mm. The electron beam dose rate was 100 rad/min. The electron beam dose was measured by a dosimeter. The electron beam dose was 1000 rad. The electron beam dose was measured by a dosimeter. The electron beam dose was 1000 rad. The electron beam dose was measured by a dosimeter.

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Abstract [Authors' Slovak summary modified]: The content of Hg in Allium montanum growing at a distance of 50 m from the discharge of the exhaust gases was found to be 0.2822 g/1000 g of dry matter. At a distance of 100 km Hg could not be proved in the plants. The content of N, K, and Na was not influenced by the exhaust gases, but the content of P₂O₅, Ca and Mg was lowered. Allium montanum is probably stimulated by Hg, or by the fact that other vegetation is suppressed by it. 1 Table, 2 Western, 7 Czech references. (Manuscript received 12 May 66). Article is in German.

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L 6540-66

ACC. NR: AP6000780

SOURCE CODE: CZ/0049/65/000/001/0059/0061

17

AUTHOR: Hajduk, Juraj (Graduate biologist)

ORG: Department of Biology and Landscape Formation, Institute of Biology, Slovak Academy of Sciences, Bratislava (Oddelenie biologie a tvorby krajiny Biologickeho ustavu Slovenskej akademie vied)

TITLE: Occurrence of Cerasus fruticosa (Pall.) Woron, and of other thermophilic plants near Liptovsky Hradek

SOURCE: Biologia, no. 1, 1965, 59-61

TOPIC TAGS: plant physiology, botany

ABSTRACT: A description of a finding of a thermophilic and subthermophilic group of plants between Liptovsky Hradek and Kralova Lehota is given. Plants found, soil characteristics, and climatic observations are submitted. 20 plants of Cerasus Fruticosa 50 cm high were found. No fruit was found, and self seeding is considered improbable.

[JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006

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HAJDUK, Juraj; Department for the Influence of Industrial Wastes on Biocenogenesis, Institute of Rural Biology, Slovak Academy of Sciences (Oddelenie Vplyvy Exhalatov na Biocenezy Ustavu Biologie Krajiny Slovenskej Akademie Vied), Bratislava.

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Abstract: [Author's English summary modified]: The research was conducted near the aluminum plant situated in the valley of the river Hron. In June 1964 large necrotic stains appeared on leaves of plants that were normally resistant to the atmosphere in their location. It was found subsequently that immediately preceding the occurrence of the stains, there was a failure of the scrubbing equipment in the plant, and higher than normal quantities of fluorine were discharged into atmosphere. It is suggested that certain plants may be used as indicators of the

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SUSAKOVA, Eva; HADUK, Juraj; HORAK, Zdenek; Institute of
Soil Biology, Slovak Academy of Sciences, Department of Environ-
mental Influence of Industrial Wastes on Biocenogenesis (Ustav Biologie
Vlivu Przemyslu na Biocenozu Akademie Vied, Odjelenie Vlivu Ekologickeho
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